



# TRANSMITTAL FORM

Patent Number	6,730,490
Issue Date	May 4, 2004
Application Serial No.	10/050,441
Filing Date	January 16, 2002
Attorney Docket No.	INL-044C1
First Named Inventor	Rosén

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application  <input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences  <input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> Amendment/Response  <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____]	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal  <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input type="checkbox"/> Status Inquiry  <input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 (1 pg.)
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement (1 pg.) <input checked="" type="checkbox"/> Form PTO-1449 (1 pg.) <input checked="" type="checkbox"/> Copies of IDS Citations (C10-C16)	<input type="checkbox"/> Small Entity Statement  <input type="checkbox"/> CD(s) for large table or computer program	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Amendment After Allowance	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	

## CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator  
Kirkpatrick & Lockhart Nicholson  
Graham LLP  
State Street Financial Center  
One Lincoln Street  
Boston, MA 02111-2950  
Tel. No.: (617) 261-3100  
Fax No.: (617) 261-3175

## SIGNATURE BLOCK

Respectfully submitted,  
  
  
Ronda P. Moore, D.V.M.  
Attorney for Applicants  
Kirkpatrick & Lockhart Nicholson  
Graham LLP  
State Street Financial Center  
One Lincoln Street  
Boston, MA 02111-2950

Date: April 4, 2006  
Reg. No. 44,244  
Tel. No.: (617) 261-3167  
Fax No.: (617) 261-3175



PATENT  
Attorney Docket No. INL-044C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Rosen et al. SERIAL NO.: 10/050,441  
PATENT NO.: 6,730,490 FILING DATE: January 16, 2002  
ISSUE DATE: May 4, 2004 CONFIRMATION NO.: 7644  
TITLE: IN VITRO METHODS FOR SCREENING FOR BLOOD  
COAGULATION DISORDERS USING METAL IONS

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any documents referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Mail Stop Post Issue, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 4th day of April, 2006.

  
Brenda L. MacLean

Mail Stop Post Issue  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

1. Transmittal Form (1 pg.);
2. Supplemental Information Disclosure Statement (1 pg.);
3. Form PTO-1449 (1 pg.);
4. Copies of IDS Citations (C10-C16); and.
5. a return receipt postcard.



PATENT  
Attorney Docket No. INL-044C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Rosen *et al.*  
SERIAL NO.: 10/050,441 PATENT NO.: 6,730,490  
FILING DATE: January 16, 2002 ISSUE DATE: May 4, 2004  
TITLE: In Vitro Methods for Screening for Blood Coagulation Disorders Using  
Metal Ions

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**


Sir:

Applicants submit this Information Disclosure Statement, along with the accompanying Form PTO-1449 and copies of cited references for placement in the file of the above-identified patent pursuant to 37 C.F.R. § 1.97(i).

Respectfully submitted,

Date: April 4, 2006  
Reg. No. 44,244

Tel. No.: (617) 261-3167  
Fax No.: (617) 261-3175

  
Ronda P. Moore, D.V.M.  
Attorney for the Applicants  
Kirkpatrick & Lockhart Nicholson  
Graham LLP  
One Lincoln Street  
Boston, MA 02111-295



FORM PTO - 1449				ATTORNEY DOCKET NO.: INL-044C1					
INFORMATION DISCLOSURE STATEMENT				APPLICANT(S): Rosen <i>et al.</i>					
				SERIAL NO.: 10/050,441					
				FILING DATE: January 16, 2002					
				PATENT NO.: 6,730,490					
				ISSUE DATE: May 4, 2004					
<b>U.S. PATENT DOCUMENTS</b>									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
<b>FOREIGN PATENT DOCUMENTS</b>									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	C10	Amphlett <i>et al.</i> , (1978), "The Binding of Metal Ions to Bovine Factor IX," <u>J. Biol. Chem.</u> , 253(19):6774-6779.							
	C11	Bajaj <i>et al.</i> , (1977), "Interaction of Manganese with Bovine Factor X," <u>J. Biol. Chem.</u> , 252(14):4758-4761.							
	C12	Byrne <i>et al.</i> , (1980), "Metal Ion Specificity of the Conversion of Bovine Factors IX, Ix $\alpha$ , and Ix $\alpha\alpha$ to Bovine Factor Ix $\alpha\beta$ ," <u>J. Biol. Chem.</u> , 255(4):1430-1435.							
	C13	Morita <i>et al.</i> , (1997), "A New Cascade Theory of Blood Coagulation: Magnesium (II) is a Crucial Constituent of the Blood Coagulation Cascade," <u>Thromb. Haemost.</u> , 78(Supp):430—Abstract PS-1755.							
	C14	Persson <i>et al.</i> , (1995), "Structurally and Functionally Distinct Ca <sup>2+</sup> Binding Sites in the $\gamma$ -Carboxyglutamic Acid-containing Domain of Factor VIIa," <u>Eur. J. Biochem.</u> , 234:293-300.							
	C15	Prendergast <i>et al.</i> , (1977), "Differentiation of Metal Ion-Induced Transitions of Prothrombin Fragment 1," <u>J. Biol. Chem.</u> , 252(3):840-850.							
	C16	Sekiya <i>et al.</i> , (1996), "Magnesium(II) Is a Crucial Constituent of the Blood Coagulation Cascade," <u>J. Biol. Chem.</u> , 271(15):8541-8544.							
EXAMINER				DATE CONSIDERED					